

**OWNER'S MANUAL SUPPLEMENT
2000 MAGNUM 325 4 X 4
PN 9914939**



**POLARIS®
SALES INC.**

IMPORTANT: This is a supplement to your owner's manual. This information should remain with your owner's manual at all times.

Specifications

Magnum 325 4x4		
C A P A C I T I E S	Body Style	Gen IV
	Gross Vehicle Weight	1125
	Fuel Capacity	3.75 U.S. Gal
	Engine Oil	1.9 Quarts
	Front Rack (Maximum - Capacity)	90 Lbs.
	Rear Rack	180 Lbs.
	Tongue Weight	30 Lbs.
	Tow Hitch	Standard
	Tow Capacity	850
	Turn Radius	65
	Ground Clearance	7.25
	Height	46
	Length	81
	Seat Height	34
	Weight	620
	Wheel Base	49.75
Width	46	
D R I V E S Y S T E M	Drive System Type	PVT
	Shift Type	Side Lever
	Front Drive (ratio)	3.7 / 1
	Final Drive (ratio)	3.1 / 1
	Center Drive (ratio)	Not Applicable
	Drive Chain	Not Applicable
T I R E S	Front Tire	24 x 8 - 12
	Rear Tire	24 x 11.5 - 10
	Tire Pressure (front)	4
	Tire Pressure (rear)	3

Magnum 325 4x4		
S U S P	Front Susp. - Mac Strut	6.7"
	Rear Susp. - Progressive Rate Swing Arm	6.5"
	Shock Adjustment	2" Gas Charged Monotube Cam
B R A K E S	Front Brake	Hydraulic Disc
	Rear Brake	Hydraulic Disc
	Park Brake	Hydraulic Lock, All Wheel
	Auxiliary Brake	Hydraulic Disc
E N G I N E & C O O L I N G	Engine Model Number	ES32PFE05
	Engine Type	4 Stroke, Single Cylnder
	Lubrication	Wet Sump
	Bore x Stroke	78 x 68
	Displacement	324 cc
	Compression Ratio	9:2 Full Stroke
	Engine Cooling	Air with Fan Assisted Oil Cooler
	Alternator Output (watts)	200
	Carburetion	1/BST31 (CV Type)
	Main Jet	145
	Pilot Jet	50
	Needle Jet	P-0 (829)
	Cutaway	Not Applicable
	Pilot Screw	2
	Jet Needle	5F14-2
	Ignition	CDI
	Timing	30° @ 3500
	Spark Plug Gap	.036 inches
Spark Plug Type	NGK BKR5E	
Exhaust	USFS Approval Pending	
L I G H T S	Headlight (watts)	Grill - 2 Single Beam / 30W
	Taillight (watts)	12V / 8.26 W
	Brake Light (watts)	12V / 26.9 W

Magnum 325 4x4		
F E A T U R E S	3-Point Hitch	Accessory
	Battery	12V / 14 AH
	DC Plug In - Rear	Accessory
	DC Socket - Forward	Accessory
	Electric Start	Standard
	High Beam Indicator	Standard
	High Temp Indicator	Standard
	Windshield	Accessory
	Low Oil Light	N/A
	Neutral Indicator	Standard
	Reverse Indicator	Standard
	Speedometer	Accessory
	Tool Kit	Standard

Carburetor Jetting

Altitude	AMBIENT TEMPERATURE	Below +40° F Below +5° C	+40° F & Above +5° C & Above
Meters (Feet)	0-1800 (0-6000)	150	145
	900-1800 (3000-6000)	142.5	137.5

Magnum 325 4x4 Clutching

Altitude		Shift Weight	Drive Clutch Spring	Driven Clutch Spring	Helix and Spring Set-up
Meters (Feet)	0 -1800 (3000-6000)	10RH (5630709)	Blue/Green (7041157)	Black (7041782)	44-36 (5131447) 2-2
	1800-3700 (6000-12,000)	16 Mod (5630280)	Blue/Green 7041157)	Black (7041782)	44-36 (5131447) 2-2

Magnum 325 4x4 HDS and HDS II Clutching

Altitude		Shift Weight	Drive Clutch Spring	Driven Clutch Spring	Helix and Spring Set-up
Meters (Feet)	0 -1800 (3000-6000)	16 (5630279)	Blue/Green (7041157)	White/Yellow (7041635)	EBS* (5131674)
	1800-3700 (6000-12,000)	16 Mod (5630280)	Blue/Green 7041157)	White/Yellow (7041635)	EBS* (5131674)

*EBS models require no spring adjustment

2000 MAGNUM 325 4X4

WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.

COLOR CODE:
 ▽ = ENGINE GROUND
 ▽ = CHASSIS GROUND

BLK = BLACK
 BRN = BROWN
 GRN = GREEN
 BLU = BLUE
 WHT = WHITE
 GRY = GRAY
 OR = ORANGE
 RED = RED
 W = WHITE

INDICATOR LAMPS (LOCATED BELOW HANDLEBARS)
 N = NEUTRAL
 R = RIGHT TURN
 TEMP = TEMPERATURE

THERMISTOR RESISTANCE

F °C	100.000	25	100.000
240	116	3466	FAN OFF (TEMP FALLING)
260	127	2519	FAN ON (TEMP RISING)
290	143	1607	FAN ON (TEMP RISING)

BOTH LAMP AND FAN SHOULD BE ON WITH THERMISTOR LEADS SHORTED TO EACH OTHER.

SOL ID STATE RELAY OUTPUTS

F °C	100.000	25	100.000
240	116	3466	FAN OFF (TEMP FALLING)
260	127	2519	FAN ON (TEMP RISING)
290	143	1607	FAN ON (TEMP RISING)

SPICE LOCATED IN HARNESS BETWEEN BATT TO CIRCUIT BREAKER
 RED/WHITE HUB COILS
 CHASSIS GROUND
 RED/WHITE HUB COILS
 KEY SWITCH LIGHTS
 SPEED LIMITER
 REVERSE LIMITER

AWD HUB COIL 24V
 AWD HUB COIL 24V

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AWD HUB COIL 24V
 AWD HUB COIL 24V

RESISTANCES (±20% @ 68°F/20°C)

COMPONENT	RESISTANCE
CAPACITOR	RED TO BLK/R 1.3 OHMS
IGNITION COIL	NO CONNECTION
TRIGGER COIL	NO CONNECTION
BATTERY CHARGE COIL	NO CONNECTION
IGNITION COIL	NO CONNECTION
PRIMARY	0.26 OHMS
SECONDARY	0.5 OHMS
6200 OHMS PLUS	5000 OHMS (CAP)

UNDER THROTTLE CIRCUIT IF CLOSED ADJUSTMENT IS REQUIRED

ETC SWITCH
 AWD LAMP
 AWD SWITCH
 (LOCATED ON RIGHT HANDLEBAR)

IGNITION SWITCH
 (LOCATED BELOW HANDLEBARS)

TOP TRANS SWITCH
 BOTTOM TRANS SWITCH

STATOR
 BATTERY CHARGE
 CDI TRIGGER COIL
 (STATOR LOCATED UNDER RECOIL)

SPARK PLUG
 (LOCATED ON TOP OF ENGINE)

IGNITION COIL
 BLACK CABLE TO SPARK PLUG
 (LOCATED BELOW HEAD LAMP)

STARTER MOTOR
 20 AMP CIRCUIT BREAKER
 STARTER SOLENOID
 (LOCATED ON FRONT OF BATTERY)

BATTERY
 BLK (6 GAUGE)

HEADLAMP
 (LOCATED IN FRONT OF GAS TANK)

VOLTAGE REGULATOR LR 35
 (LOCATED IN FRONT OF GAS TANK)

FAN MOTOR
 (LOCATED RIGHT FRONT SIDE OF GAS TANK)

REVERSE SPEED LIMITER
 (LOWER RIGHT CORNER OF OIL COLETS)

HEADLAMP
 (LOCATED IN FRONT OF GAS TANK)

TAIL LAMP
 (LOCATED IN FRONT OF FUEL TANK)

BRAKE LAMP SWITCH
 (CLOSED WITH HAND BRAKE APPLIED)

